

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

## TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

SHI 19.251 (310010-00106)

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

INTERNATIONAL APPLICATION NO. PCT/US03/00381

INTERNATIONAL FILING DATE 08 JANUARY 2003 (08.01.2003)

PRIORITY DATE CLAIMED 08 JANUARY 2002 (08.01.2002)

FORM PTO-1390 (REV. 10-2003)

	OF INV						
		COOLING BY CIRCULATION OF BUFFER GAS					
		) FOR DO/EO/US DNGSWORTH					
Applica	ant herew	rith submits to the United States Designated/Elected Office (DO/EO	/US) the following items and other information				
1.	This is a	FIRST submission of items concerning a filing under 35 U.S.C. 37	1.				
2.	This is a	SECOND or SUBSEQUENT submission of items concerning a fil	ing under 35 U.S.C. 371.				
3.	This is a items (5	in express request to begin national examination procedures (35 U.S.), (6), (9) and (21) indicated below.	.C. 371(f)). The submission must include				
4. 🗶		has been elected (Article 31).					
5. 🗶	A copy	of the International Application as filed (35 U.S.C. 371(c)(2))					
	a. 🔲	is attached hereto (required only if not communicated by the International	national Bureau).				
	b. 🗶	has been communicated by the International Bureau.					
	c. 🔲	is not required, as the application was filed in the United States Re	ceiving Office (RO/US).				
6.	An Engl	ish language translation of the International Application as filed (35 is attached hereto.	U.S.C. 371(c)(2)).				
	ъ. П	has been previously submitted under 35 U.S.C. 154(d)(4).					
7.		nents to the claims of the International Application under PCT Artic	le 19 (35 U.S.C. 371(c)(3))				
	a.	are attached hereto (required only if not communicated by the Inte					
	ь. П	have been communicated by the International Bureau.	,				
	c. $\Box$	have not been made; however, the time limit for making such ame	ndments has NOT expired.				
	d. 🔀	have not been made and will not be made.					
8. 🔲	An Engl	ish language translation of the amendments to the claims under PCI	Article 19 (35 U.S.C. 371 (c)(3)).				
9. <b>X</b>	An oath	or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).					
10.		hish language translation of the annexes of the International Prelimin 36 (35 U.S.C. 371(c)(5)).	ary Examination Report under PCT				
Iter	ns 11 to 2	20 below concern document(s) or information included:					
11.	An In	formation Disclosure Statement under 37 CFR 1.97 and 1.98.					
12.	An ass	signment document for recording. A separate cover sheet in compliance	ance with 37 CFR 3.28 and 3.31 is included.				
13.	A prel	liminary amendment.					
14.	An Ap	oplication Data Sheet under 37 CFR 1.76.					
15.	A sub	stitute specification.					
16.	A pov	wer of attorney and/or change of address letter.					
17. 🔲	A com	puter-readable form of the sequence listing in accordance with PCT	Rule 13 <i>ter</i> .2 and 37 CFR 1.821 - 1.825.				
18.	A seco	A second copy of the published international application under 35 U.S.C. 154(d)(4).					
19.	A seco	ond copy of the English language translation of the international app copy of WO 03/058666 A1	olication under 35 U.S.C. 154(d)(4).  Filed by Express Mail				
20.	Other	items or information:	(Receipt No. EL980189316US)				
The Co	mmissior	ner is hereby authorized to charge any	on July 2, 2004 pursuant to 37-C.F.R. 1.10.				

additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1290.

U.S. APPLICATION NO Aif bas	1007386 PC	ATTORNEY'S DOCKET NUMBER  SHI 19.251 (310010-0010							
	ing fees are submitted:	CALCULATIONS							
_	FEE (37 CFR 1.492 (a)								
Neither internation nor international se	nal preliminary examinati earch fee (37 CFR 1.445) earch Report not prepare								
International prelin USPTO but Interna	ninary examination fee (2 ational Search Report pre								
International prelin but international se	ninary examination fee (3 carch fee (37 CFR 1.445)								
International prelin but all claims did n	ninary examination fee ( not satisfy provisions of P								
and all claims satis	ninary examination fee (ified provisions of PCT A R APPROPRIATE	\$ 770.00	7						
		\$ 770.00							
Surcharge of \$130.0 from the earliest clai	of for furnishing the oath imed priority date (37 CF	\$							
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$					
Total claims	9 - 20 =	0	x \$18.00	\$ 0					
Independent claims	1 -3 =	0	x \$86.00	\$ 0					
MULTIPLE DEPEN	DENT CLAIM(S) (if app	·	+ \$290.00	\$ 770.00					
— A ==1i===4 =1=i==		OF ABOVE CALCUE of 37 CFR 1.27. The fees		\$ 770.00					
are reduced by	1/2.		\$						
			JBTOTAL =	\$ 770.00					
Processing fee of \$1 from the earliest claim	<b>30.00</b> for furnishing the imed priority date (37 CF)	\$							
		\$ 770.00							
Fee for recording the accompanied by an a	e enclosed assignment (3 appropriate cover sheet (	\$ 40							
<del></del>		\$ 810.00							
		-		Amount to be refunded:	\$				
				charged:	\$				
a. A check in the amount of \$ to cover the above fees is enclosed.  b. Please charge my Deposit Account No. 50-1290 in the amount of \$ 810.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.									
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1290. A duplicate copy of this sheet is enclosed.									
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.									
SEND ALL CORRESPO	ONDENCE TO:		XXV						
CUSTOMER NUMBER 026304  SIGNATURE Samson Helfgott									
KATTEN MU	CHIN ZAVIS ROS	ENMAN	NAME	_ <i>V</i>	·				
575 Madison A									
New York, Nev	w York 10022-2585								
(212) 940-8800 REGISTRATION NUMBER									
(212) 940-8986									